

REMARKS

Claims 7-8 and 10-12 are now in this application.

The examiner is requested in the next Office action to acknowledge receipt of the preliminary amendment which shows on the PAIR system has having been received in the PTO on March 21, 2005. In the preliminary amendment claims 1-6 were canceled and claims 7-12 were added. However, the examiner's Office action of October 6, 2005 reads appropriately if in each instance where the examiner refers to claims 1-6, the action is read to mean claims 7-12 respectively. Thus, applicant has responded to this Office action with the assumption that the preliminary amendment has been entered into the application, and each time the examiner has referred to one of claims 1-6, applicant has assumed the appropriate claim of 7-12 was intended.

Claim 9 has been incorporated into claim 7 and has therefore been canceled.

Also, the wording of former claim 7 has been added to claim 11. Since the examiner indicated that claim 11 (former claim 5) would be allowable if placed in independent form, this claim should now be allowable.

Regarding newly amended claim 7, the language added to the claim from canceled claim 9 specifies that the second conical partial surface (209) has the same cone angle as the first conical partial surface (109). The examiner has rejected canceled claim 9 (3) using the Mock reference, specifically referring to surface 43 as the second conical surface and the conical seating surface 11 for the needle. Looking at Figures 3 and 4, and reviewing the disclosure of the Mock reference on page 2, lines 118-126, the reference states that "annular recess 43" is formed in the valve seat intermediate its ends and similar to the intermediate annular recess 40 formed in the valve head.

This recess 43 in the valve seat increases in depth from its rear or right-hand portion and terminates in an annular shoulder 44 substantially normal to the conical surface of the valve seat.”

While the examiner may possibly be able to read the surface at or near numeral 45 in figures 4 and 5 in Mock to be raised with respect to surface 43, claim 7 now recites that these surfaces, 109 and 209 in applicant’s disclosure, have the same cone angle. Such is clearly not the situation in Mock. Surfaces 43 and 45 clearly do not have the same cone angle.

If one were to use Figure 3 as drawn to scale, by drawing a line from the lower valve seat found immediately below the second conical surface (43) to the conical partial surface directly above the second conical surface (43) it is shown absolutely clearly that the first and second conical partial surfaces do not have the same cone angle, as is recited in claim 7.

Clearly from the specification and from Figures 3 and 4 of the Mock reference, what the examiner considers as the first and second conical partial surfaces cannot in any way be considered to have the same cone angle, as now recited in claim 7 as it is presently amended.

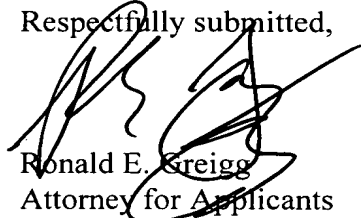
Claim 11 has been written in independent form including all the limitations of claim 7.

Appl. No. 10/528,464
Amdt dated January 20, 2006
Reply to Office action of October 6, 2005

The Commissioner is authorized to charge a fee of \$120.00, for a one-month extension of time or any other necessary fees in connection with this communication to Deposit Account No. 07-2100.

For the above reasons, entry of the amendment and allowance of the claims are courteously solicited.

Respectfully submitted,



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